

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF THE CLAIMS

1. (Currently Amended) An ~~recording-medium~~optical disc storing an executable data structure for managing playback control of a data stream by an optical disc reproducing device, comprising:

an information file including a first playback indicator for managing an automatic first-playback of the ~~recording-medium~~optical disc when ~~when the recording-medium~~optical disc is ~~first-read~~inserted into the optical disc reproducing device, the first playback indicator identifying a segment for execution at the ~~first-automatic~~ playback of the ~~recording-medium~~optical disc, the segment being included in a separate file from the information file, the first playback indicator indicating a name of the identified segment;

the separate file including the identified segment, the identified segment including at least one navigation command for launching a playlist file, the playlist file being separate from the separate file;

the playlist file launched by the navigation command, the playlist file including a playitem representing a playing interval in a clip of a data stream for the ~~first~~ automatic playback; and

a stream file including the data stream.

2-5. (Cancelled)

6. (Currently Amended) The ~~recording medium~~optical disc of claim 1, wherein the information file is stored in a main directory, which is a sub-directory of a root directory for the ~~recording medium~~optical disc.

7-11. (Cancelled)

12. (Currently Amended) A method of recording a data structure for managing playback control of a data stream, comprising:

recording an information file on an ~~recording medium~~optical disc, the information file including a first playback indicator for managing an ~~automatic first~~ playback of the ~~recording medium~~optical disc ~~when when the recording medium~~optical disc is ~~first read~~inserted into an optical disc reproducing device, the first playback indicator identifying a segment for execution at the ~~first automatic~~ playback of the ~~recording medium~~optical disc, the segment being included in a separate file from the information file, the first playback indicator indicating a name of the identified segment;

recording the identified segment in the separate file on the ~~recording medium~~optical disc, the identified segment including at least one navigation command for launching a playlist file, the playlist file being separate from the separate file;

recording the playlist file launched by the navigation command on the ~~recording medium~~optical disc, the playlist file including a playitem representing a playing interval in a clip of a data stream for the ~~first automatic~~ playback; and

recording a stream file including the data stream on the ~~recording medium~~optical disc.

13. (Currently Amended) A method of reproducing a data structure for managing playback control of a data stream, comprising:

reproducing an information file from an ~~an recording-medium~~optical disc, the information file including a first playback indicator for managing an automatic first playback of the ~~recording-medium~~optical disc ~~when-when~~ the recording-mediumoptical disc is ~~first-read~~inserted into an optical disc reproducing device, the first playback indicator identifying a segment for execution at the ~~first-automatic~~ playback of the ~~recording-medium~~optical disc, the segment being included in a separate file separate from the information file the first playback indicator indicating a name of the identified segment;

reproducing the separate file including the identified segment, the identified segment including at least one navigation command for launching a playlist file, the playlist file being separate from the separate file;

reproducing the playlist file launched by the navigation command, the playlist file including a playitem representing a playing interval in a clip of a data stream for the ~~first-automatic~~ playback; and

reproducing a stream file including the data stream.

14. (Currently Amended) An apparatus for recording a data structure for managing playback control of an ~~recording-medium~~optical disc, comprising:

a pickup configured to record data on the ~~recording-medium~~optical disc; and

a controller operably coupled to the pickup to control the pickup to record an information file on the ~~recording-medium~~optical disc, the information file including a first playback indicator for managing an automatic ~~first~~ playback of the ~~recording-medium~~optical disc ~~when-when~~ the recording-mediumoptical disc is ~~first-read~~inserted into an optical disc reproducing device, the first playback indicator identifying a

segment for execution at the ~~first-automatic~~ playback of the ~~recording-medium~~optical disc, the segment being included in a separate file from the information file, the first playback indicator indicating a name of the identified segment;

the controller configured to control the pickup to record the separate file including the identified segment on the recording medium, the identified segment including at least one navigation command for launching a playlist file, the playlist file being separate from the separate file;

the controller configured to control the pickup to record the playlist file launched by the navigation command, the playlist file including a playitem representing a playing interval in a clip of a data stream for the ~~first-automatic~~ playback; and

the controller configured to control the pickup to record a stream file including the data stream.

15. (Currently Amended) An apparatus for reproducing a data structure for managing playback control of an ~~recording-medium~~optical disc, comprising:

a pickup configured to reproduce data recorded on the ~~recording-medium~~optical disc;

a controller operably coupled to the pickup to control the pickup to reproduce an information file from the ~~recording-medium~~optical disc, the information file including a first playback indicator for managing an ~~automatic-first~~ playback of the ~~recording-medium~~optical disc ~~when-when~~ the ~~recording-medium~~optical disc is first ~~read~~inserted into an optical disc reproducing device, the first playback indicator identifying a segment for execution at the ~~first-automatic~~ playback of the ~~recording-medium~~optical disc, the segment being included in a separate file from the information file the first playback indicator indicating a name of the identified segment;

the controller configured to control the pickup to reproduce the separate file including the identified segment from the ~~recording medium~~optical disc, the identified segment including at least one navigation command for launching a playlist file;

the controller configured to control the pickup to reproduce the playlist file including a playitem representing a playing interval in a clip of a data stream for the ~~first automatic~~ playback; and

the controller configured to control the pickup to reproduce a stream file including the data stream.

16. (Currently Amended) The ~~recording medium~~optical disc of claim 1, wherein the segment further includes navigation commands for initializing playback of the data stream and terminating playback of the data stream.

17. (Previously Presented) The method of claim 12, further comprising:
recording navigation commands for initializing playback of the data stream and terminating playback of the data stream in the segment.

18. (Previously Presented) The method of claim 13, further comprising:
reproducing navigation commands for initializing playback of the data stream and terminating playback of the data stream from the segment.

19. (Previously Presented) The apparatus of claim 14, wherein the controller is further configured to control the pickup to record navigation commands for initializing

playback of the data stream and terminating playback of the data stream in the segment.

20. (Previously Presented) The apparatus of claim 15, wherein the controller is further configured to control the pickup to reproduce navigation commands for initializing playback of the data stream and terminating play back of the data stream from the segment.

21. (Previously Presented) The apparatus of claim 15, further comprising:

a source depacketizer configured to depacketize source packets into transport packets;

a de-multiplexer, operably coupled to the source depacketizer, configured to demultiplex the transport packets into at least one elementary stream; and

a decoder, operably coupled to the de-multiplexer, configured to decode the elementary stream to an original data stream to be displayed on a display.

22. (Previously Presented) The apparatus of claim 21, wherein the source depacketizer, the de-multiplexer, the decoder, and the controller are part of a video disk play system.

23. (Currently Amended) The ~~recording medium~~optical disc of claim 1, further comprising:

a clip information file including timing information of the stream file, the clip information file and the stream file being separate files and having one to one correspondence.

24. (Currently Amended) The ~~recording-medium~~optical disc of claim 1, wherein the playitem is a pair of IN and OUT points corresponding to positions on a time axis of the clip of the data stream.

25. (Previously Presented) The method of claim 12, further comprising:
recording a clip information file including timing information of the stream file, the clip information file and the stream file being separate files and having one to one correspondence.

26. (Previously Presented) The method of claim 12, wherein the playitem is a pair of IN and OUT points corresponding to positions on a time axis of the clip of the data stream.

27. (Previously Presented) The method of claim 13, further comprising:
reading a clip information file including timing information of the stream file, the clip information file and the stream file being separate files and having one to one correspondence.

28. (Previously Presented) The method of claim 13, wherein the playitem is a pair of IN and OUT points corresponding to positions on a time axis of the clip of the data stream.

29. (Previously Presented) The apparatus of claim 14, wherein the controller is further configured to control the pickup to record a clip information file including timing information of the stream file, the clip information file and the stream file being separate files and having one to one correspondence.

30. (Previously Presented) The apparatus of claim 14, wherein the playitem is a pair of IN and OUT points corresponding point to positions on a time axis of the clip of the data stream.

31. (Previously Presented) The apparatus of claim 15, wherein the controller is further configured to control the pickup to read a clip information file including timing information of the stream file, the clip information file and the stream file being separate files and having one to one correspondence.

32. (Previously Presented) The apparatus of claim 15, wherein the playitem is a pair of IN and OUT points corresponding to positions on a time axis of the clip of the data stream.